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| Application No.       | Applicant(s) |
|-----------------------|--------------|
| 10/694,053            | UNNO ET AL.  |
| Examiner              | Art Unit     |
| Michael S. Lebentritt | 2824         |

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | aim      | Date         |          |  |          |                 | 7        | Claim Date |                 |    |                 |          |                 |          |               | ٦              | Cla      | aim    | Date  |    |              |          |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|--------------|----------|--------------|----------|--|----------|-----------------|----------|------------|-----------------|----|-----------------|----------|-----------------|----------|---------------|----------------|----------|--------|---|----|--------------|----------|----------|--------------|----------|-----------------|----------|----------|----------|---|-----------------|---|---|--|--|----------|--|--------|
|              | T        |              |          |  |          |                 |          |            |                 |    |                 |          |                 |          |               |                |          |        |   |    |              |          |          |              |          |                 |          |          |          |   |                 | Т | Ī |  |  | $\neg I$ |  | $\neg$ |
| <del> </del> | Original | 8/17/04      |          |  |          |                 |          |            |                 | 1  | <u></u>         | Original |                 |          |               |                |          |        |   |    | <del>-</del> | Original |          |              |          |                 |          |          | ł        |   |                 |   |   |  |  |          |  |        |
| Final        | <u>:</u> | 12/          |          |  |          |                 |          |            |                 | 1  | Final           | igi      |                 | ŀ        |               |                |          |        |   |    | Final        | įġį      |          |              | - 1      |                 |          | - }      |          |   |                 |   |   |  |  |          |  |        |
| "            | ō        | 8            |          |  |          |                 |          |            |                 | 1  | "               | Ō        |                 |          |               |                |          |        |   |    | "            | Ō        |          |              |          |                 |          | :        |          |   |                 |   |   |  |  |          |  |        |
| <u> </u>     | 4        |              |          |  |          |                 |          | _          |                 | -  | $\vdash$        | 51       | $\vdash$        | +        | +             |                |          | -      |   | ┥  |              | 101      | H        | +            | $\dashv$ | $\dashv$        | $\dashv$ |          | $\dashv$ | - | $\dashv$        |   |   |  |  |          |  |        |
|              | 1        | -            |          |  | <u> </u> | Н               |          | _          |                 | -  | $\vdash$        |          |                 | +        | +             |                | $\dashv$ | -      |   |    | $\vdash$     | 102      | $\vdash$ | -            | -        | $\dashv$        | $\dashv$ |          | -+       | _ |                 |   |   |  |  |          |  |        |
|              | 2        | -            |          |  |          | $\vdash$        | -        | _          |                 | ┥  |                 | 52       | -               | +        | +             | $\vdash$       | -        | -      |   | ┥  | -            |          | -        |              |          | $\dashv$        |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 3        | <u> </u>     | _        |  | -        | Щ               | $\vdash$ |            |                 | 4  | <u> </u>        | 53       |                 | -        | -             | -              |          | _      |   | 4  | $\vdash$     | 103      |          |              | -        |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
| <u> </u>     | 4        | <u> </u>     | _        |  |          |                 |          |            |                 | 4  |                 | 54       | $\vdash$        | -        | +             |                |          |        | _   | 4  | $\vdash$     | 104      |          |              | -+       |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
| 1            | 5        | =            |          |  |          |                 | <u> </u> |            |                 | ┦  |                 | 55       | $\vdash$        | -        | _             |                |          |        |   | -  |              | 105      |          |              |          |                 |          |          | $\dashv$ |   | _               |   |   |  |  |          |  |        |
| 2            | 6        |              | _        |  | <u> </u> | Ш               | <u> </u> | ļ          |                 | -  | <b></b>         | 56       |                 | $\dashv$ |               | _              | $\dashv$ |        |   | 4  |              | 106      |          |              |          | -               |          |          |          |   | _               |   |   |  |  |          |  |        |
| 3            | 7        |              | _        |  | <u> </u> |                 | <u> </u> | <u> </u>   |                 | 4  |                 | 57       | -               |          |               |                | $\dashv$ |        |   | -  |              | 107      |          |              | -        | $\dashv$        |          | _        |          | - | Н               |   |   |  |  |          |  |        |
| 4            | 8        | 트            | _        |  |          |                 | _        | _          | -               | 4  | <u> </u>        | 58       | $\vdash$        | $\dashv$ | -             | $\blacksquare$ | _        |        |   | _  |              | 108      | _        |              | -        |                 |          | <b>-</b> |          |   | _               |   |   |  |  |          |  |        |
| <u> </u>     | 9        |              | _        |  |          |                 |          |            |                 | -  | <u> </u>        | 59       | $\vdash$        | -        | <b>-</b>      | $\vdash$       | -        | _      |   | 4  |              | 109      |          | _            | -        |                 |          |          |          |   | _               |   |   |  |  |          |  |        |
| <u> </u>     | 10       | _            | _        |  |          | Ш               | $\vdash$ |            |                 | 4  |                 | 60       | <del></del>     |          | _             | <u> </u>       | _        | _      |   | 4  |              | 110      | _        |              | _        |                 | _        | _        | -        | _ | _               |   |   |  |  |          |  |        |
|              | 11       |              |          |  |          |                 | <b> </b> | _          | <u> </u>        | 4  | $\vdash$        | 61       | $\vdash \vdash$ | $\dashv$ | +             | $\vdash$       | $\perp$  |        |   | _  |              | 111      | $\vdash$ |              | 4        |                 |          |          |          | _ | _               |   |   |  |  |          |  |        |
|              | 12       | <del> </del> | <u> </u> |  |          | $\vdash \vdash$ | <u> </u> | <u> </u>   | $\vdash$        | ┨. | $\vdash \vdash$ | 62       | $\vdash \vdash$ | $\dashv$ | -             | $\sqcup$       | $\dashv$ | _      | -   |    | $\vdash$     | 112      |          |              | _        |                 |          |          |          | _ | _               |   |   |  |  |          |  |        |
|              | 13       |              |          |  |          | $\square$       | _        | _          |                 | ╣. | $\vdash$        | 63       | $\vdash \vdash$ | _        |               |                | $\dashv$ | _      | $\dashv$  | -  |              | 113      |          |              | _        |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
| <u></u>      | 14       | ļ            |          |  |          |                 |          | _          | $\vdash \vdash$ | 4  | $\square$       | 64       | $\vdash \vdash$ | $\perp$  | $\bot$        |                |          |        |   | 4  |              | 114      |          |              | -        |                 |          |          |          |   | _               |   |   |  |  |          |  |        |
| ļ            | 15       |              | <u> </u> |  | _        | Щ               | <u> </u> |            |                 | 4  |                 | 65       | $\sqcup$        | _        |               |                | $\dashv$ | _      | -   | _  |              | 115      | <u> </u> |              | $\dashv$ | _               |          |          |          | _ |                 |   |   |  |  |          |  |        |
| <u></u>      | 16       | L.           | <u> </u> |  |          | Ш               | L        | _          |                 | 4  |                 | 66       | $\sqcup$        | $\perp$  | $\bot$        |                |          |        | $-\!$ | _  |              | 116      | Ш        | $oxed{oxed}$ | _        | _               |          | _        | _        | _ |                 |   |   |  |  |          |  |        |
|              | 17       | _            |          |  |          |                 | _        | L          |                 | 4  |                 | 67       |                 | _        |               |                |          | _      | $\perp$   | 4  |              | 117      |          |              | _        | _               |          | _        | _        | ļ |                 |   |   |  |  |          |  |        |
|              | 18       |              |          |  |          |                 |          |            | Ц.              |    |                 | 68       |                 |          | _ _           |                | $\Box$   |        |   | _  |              | 118      |          | $\perp$      | _        |                 |          | $\Box$   | $\dashv$ |   |                 |   |   |  |  |          |  |        |
|              | 19       | L            |          |  |          |                 |          |            |                 | 4  |                 | 69       |                 |          |               |                | _        |        |   | _  |              | 119      |          |              | _        |                 |          | _        |          |   | _               |   |   |  |  |          |  |        |
|              | 20       | <u> </u>     |          |  |          |                 |          |            |                 | _  |                 | 70       |                 |          |               |                |          |        |   | _  |              | 120      |          |              | _        |                 |          |          |          | _ | ᆜ               |   |   |  |  |          |  |        |
|              | 21       | <u> </u>     |          |  |          |                 |          |            |                 | ╛  |                 | 71       |                 |          |               |                |          | _      |   | _  |              | 121      |          |              |          | _               |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 22       |              |          |  |          |                 |          |            |                 |    |                 | 72       |                 |          |               |                |          |        |   | _  |              | 122      |          |              |          |                 |          | $\Box$   |          |   |                 |   |   |  |  |          |  |        |
| <u></u>      | 23       |              |          |  |          |                 |          |            |                 | _  |                 | 73       |                 |          | _ _           | $\Box$         |          | _      |   | _  |              | 123      |          |              | _        |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 24       |              |          |  |          |                 |          |            |                 | _  |                 | 74       |                 |          |               |                |          |        |   | _  |              | 124      |          | $\perp$      |          |                 |          |          | $\perp$  |   |                 |   |   |  |  |          |  |        |
| <u></u>      | 25       |              |          |  |          |                 |          |            |                 |    |                 | 75       |                 |          |               |                |          |        |   |    |              | 125      |          |              |          |                 |          |          | $\perp$  |   |                 |   |   |  |  |          |  |        |
| <u> </u>     | 26       |              |          |  |          |                 |          |            |                 |    |                 | 76       |                 |          |               |                |          |        |   |    |              | 126      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
| <u></u>      | 27       |              |          |  |          |                 |          |            |                 | ╛  |                 | 77       |                 |          |               |                |          |        |   |    |              | 127      |          |              | $\perp$  |                 |          |          | $\perp$  |   |                 |   |   |  |  |          |  |        |
|              | 28       |              |          |  |          |                 |          |            |                 | _  |                 | 78       |                 |          |               |                |          |        |   | _] |              | 128      |          |              | $\perp$  | _               |          |          |          |   | _               |   |   |  |  |          |  |        |
|              | 29       |              |          |  |          |                 |          |            |                 | _  |                 | 79       |                 |          |               |                |          |        |   |    |              | 129      |          |              |          | [               |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 30       |              |          |  |          |                 |          |            |                 |    |                 | 80       |                 |          |               |                |          |        |   |    |              | 130      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 31       |              |          |  |          |                 |          |            |                 | ]  |                 | 81       |                 |          |               |                |          |        |   |    |              | 131      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 32       |              |          |  |          |                 |          |            |                 | _  |                 | 82       |                 |          |               |                |          |        |   |    |              | 132      |          |              |          |                 |          |          |          |   | ]               |   |   |  |  |          |  |        |
|              | 33       |              |          |  |          |                 |          |            |                 | _  |                 | 83       |                 |          |               |                |          |        |   |    |              | 133      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 34       |              |          |  |          |                 |          |            |                 |    |                 | 84       |                 |          |               |                |          |        |   |    |              | 134      |          |              | $\prod$  |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 35       |              |          |  |          |                 |          |            |                 | ]  |                 | 85       |                 |          |               |                |          |        |   |    |              | 135      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 36       | Ĺ            |          |  |          |                 |          |            |                 | ]  |                 | 86       |                 |          |               |                |          |        |   |    |              | 136      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 37       |              |          |  |          |                 |          |            |                 | ]  |                 | 87       |                 |          |               |                |          |        |   |    |              | 137      |          |              |          |                 |          |          |          | ] |                 |   |   |  |  |          |  |        |
|              | 38       |              |          |  |          |                 |          |            |                 | ]  |                 | 88       | $oxed{\Box}$    |          |               |                |          |        |   |    |              | 138      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 39       |              |          |  |          |                 |          |            |                 | ]  |                 | 89       |                 |          |               |                |          |        |   |    |              | 139      |          |              |          |                 |          |          | ]        | ] | ]               |   |   |  |  |          |  |        |
|              | 40       |              |          |  |          |                 |          |            |                 | ]  |                 | 90       |                 |          |               |                |          |        |   |    |              | 140      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 41       |              |          |  |          |                 |          |            |                 | ]  |                 | 91       |                 |          |               |                |          |        |   |    |              | 141      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 42       |              |          |  |          |                 |          |            |                 | ]  |                 | 92       |                 |          |               |                |          |        |   |    |              | 142      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 43       |              |          |  |          |                 |          |            |                 |    |                 | 93       |                 |          |               |                |          |        |   |    |              | 143      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 44       |              |          |  |          |                 |          |            |                 | ]  |                 | 94       |                 |          |               |                |          |        |   |    |              | 144      |          |              |          |                 |          |          |          |   |                 |   |   |  |  |          |  |        |
|              | 45       |              |          |  |          |                 |          |            |                 | 1  |                 | 95       |                 |          |               |                |          | 一      |   | 7  |              | 145      |          |              |          |                 |          |          | $\neg$   |   | $\neg$          |   |   |  |  |          |  |        |
|              | 46       |              |          |  |          |                 |          |            |                 | 1  |                 | 96       |                 |          | 丁             |                |          |        |   | 7  |              | 146      |          |              | $\neg$   |                 |          |          | $\dashv$ |   |                 |   |   |  |  |          |  |        |
|              | 47       |              |          |  |          | П               |          |            |                 | 7  |                 | 97       |                 |          |               | П              | $\neg$   |        | $\neg$  | 7  |              | 147      |          | $\Box$       | 寸        |                 |          | $\neg$   | $\neg$   | 寸 |                 |   |   |  |  |          |  |        |
|              | 48       | 1            |          |  |          | П               |          |            |                 | 1  |                 | 98       | 一               | $\top$   | $\neg \vdash$ | $\sqcap$       | $\dashv$ |        |   | 7  |              | 148      | П        |              | $\dashv$ | $\neg \uparrow$ |          | $\neg$   | 1        | _ | $\neg \uparrow$ |   |   |  |  |          |  |        |
|              | 49       | 1            |          |  |          |                 |          |            |                 | 1  |                 | 99       |                 |          |               | П              | $\dashv$ | $\neg$ |   | 7  |              | 149      |          |              | $\neg$   | 寸               |          | 一        | 一        | 7 | 一               |   |   |  |  |          |  |        |
|              | 50       | 1            |          |  |          |                 |          |            |                 | 1  |                 | 100      | $\Box$          |          | 1             | П              | $\dashv$ | 寸      | $\dashv$  | 7  |              | 150      |          | $\Box$       | 7        |                 |          |          | 寸        | 一 | ᅥ               |   |   |  |  |          |  |        |
| L            |          |              |          |  | I        |                 | <u> </u> |            |                 | _  |                 |          |                 |          |               | 1              |          |        |   |    |              |          |          |              |          |                 |          |          | 1        |   | - 1             |   |   |  |  |          |  |        |